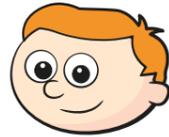
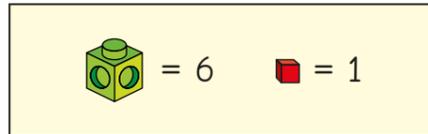


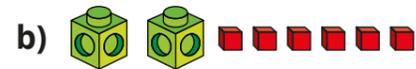
Substitution

1 Ron has given values to these cubes.



Use Ron's values to work out the value of each set of cubes.

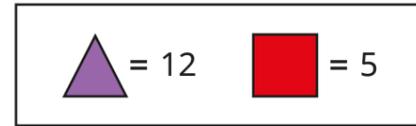








2



Use the given facts to work out the calculations.

a) $\triangle - \square$

b) $\triangle \times \square$

c) Create your own calculation that will be equal to 22

3

If $a = 10$ and $b = 6$, work out the values of the expressions.

a) $a + b =$

d) $2a + b =$

b) $a - b =$

e) $3a - 17 =$

c) $2a =$

f) $2(a - b) =$



4 If $m = \frac{4}{5}$ and $k = 0.1$, work out the value of $m + 2k$

5



It does not matter what p and q are, $p + q$ and $q + p$ will always give the same answer.

Do you agree with Mo? _____

Explain your answer.

6

$$m = 7 \quad n = 5$$

Write $>$, $<$ or $=$ to compare the expressions.

a) $2m$ ○ 10

b) $n - 1$ ○ 5

c) $2n + m$ ○ $2m + n$

d) $7n$ ○ $5m$

7

$$a = 10$$

Write the expressions in order, starting with the smallest value.

$$5a$$

$$a + 5$$

$$\frac{a}{5}$$

$$a - 9$$

8

$$a = 15$$

Write three different algebraic expressions that give a value of 40

9

Complete the table.

x	$5x$	$5x - 1$
2		
10		
12		
	25	
		34
		99

